**Homework 83** Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Quiz 21 Review** Period:\_\_\_\_Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Failure to show all work and write in complete sentences will result in LaSalle!**

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| --- | --- |
| 1) In rhombus ADBC below, AD = 17 and DC = 30. What is the area of the rhombus? | 2) Given square DEFG below, list all of the following values. Leave your answer in square roots if applicable.   1. HG = \_\_\_\_\_\_\_ 2. EG = \_\_\_\_\_\_\_ 3. DF = \_\_\_\_\_\_\_ 4. DF = \_\_\_\_\_\_\_ 5. Perimeter of DEFG = \_\_\_\_\_\_ |
| 3) Find the measurements of the missing angles. | 4) In the trapezoid ABCD shown below, side lengths AB and DC are parallel, DAC = 74, D = 88, and B = 116. What is the measure of BCA?  A  B  C  D |
| 7) Fill in the chart according to the properties of the quadrilaterals:   |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | |  | square | rhombus | parallelogram | rectangle | kite | trapezoid | isosceles trap. | | diagram |  |  |  |  |  |  |  | | # of parallel sides |  |  |  |  |  |  |  | | # of congruent sides |  |  |  |  |  |  |  | | diagonals  ? |  |  |  |  |  |  |  | | diagonals ? |  |  |  |  |  |  |  | | |